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Date: May 17, 2005

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<b>To:</b>	<b>Company:</b>	<b>Facsimile No:</b>	<b>Telephone No:</b>
Examiner: Bastianelli, John	USPTO, Art Unit: 3751	703-872-9301-6	
<b>From:</b>	Jeffrey J. Miller	<b>Direct Phone:</b>	617.535.4421
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<b>Sent By:</b>		<b>Direct Phone:</b>	
<b>Client/Matter/Tkpr:</b>	056231-0434-5664	<b>Original to Follow by Mail:</b>	No
		<b>Number of Pages, Including Cover:</b>	20
<b>Re:</b>	Application Serial No: 10/673,989		

## Message:

In re Application of:	Paul D. Lucas and Anthony J. Carbone	Conf. No.: 2828
Serial No:	10/673,989	Examiner: Bastianelli, John
Filing Date:	September 29, 2003	Art Unit: 3751
Title:	Valve Assembly Having Improved Conductance Control	
Docket No:	56231-434 (MKS-135)	

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Main Facsimile: 617.535.3800 Facsimile Operator: 617.535.4000

U.S. practice conducted through McDermott Will & Emery LLP.  
28 State Street Boston, Massachusetts 02109-1775 Telephone: 617.535.4000

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Paul D. Lucas and Anthony J. Carbone      Conf. No.: 2828  
 Serial No: 10/673,989      Examiner: Bastianelli, John  
 Filing Date: September 29, 2003      Art Unit: 3751  
 Title: **Valve Assembly Having Improved Conductance Control**  
 Docket No: 56231-434 (MKS-135)

CERTIFICATE OF TRANSMISSION UNDER 37 C.F.R. § 1.8(a)

I hereby certify that this correspondence is being facsimile transmitted to Technology Center 3700 of the U.S. Patent and Trademark Office (Fax No. **703-872-9306**) on May 17, 2005.

  
 Jeff Miller

**Via Facsimile 703-872-9302**  
 Commissioner for Patents  
 P.O. Box 1450  
 Alexandria, VA 22313-1450

TRANSMITTAL LETTER

Dear Sir:

Applicant encloses herewith for filing in connection with the above-referenced patent application the following documents:

1. AMENDMENT "B" for filing in response to Office Action of February 24, 2005.

The fee has been calculated as shown below:

	NO. OF CLAIMS	HIGHEST PREVIOUSLY PAID FOR	EXTRA CLAIMS	RATE	FEE
Total Claims	25	45	0	\$100.00 =	\$0.00
Independent Claims	2	4	0	\$200.00 =	\$0.00
Multiple claims newly presented					\$0.00
Total of Above Calculations					\$0.00

The Commissioner is hereby authorized to charge the payment of the fees associated with this communication or credit any overpayment, to Deposit Account No. 50-1133, including any filing fees under 37 CFR 1.16 for presentation of extra claims and any patent application processing fees under 37 CFR 1.17.

Date: May 17, 2005

Respectfully submitted,



Jeffrey J. Miller, Reg. No.: 39,773  
McDERMOTT WILL & EMERY LLP  
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Boston, Massachusetts 02109  
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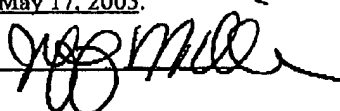
IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Paul D. Lucas and Anthony J. Carbone      Conf. No.: 2828  
Serial No: 10/673,989      Examiner: Bastianelli, John  
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Jeff Miller



Via Facsimile **703-872-9302**  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

AMENDMENT B

Sir:

In response to the Office Action mailed February 24, 2005, please amend the above-identified application as follows:

**Amendments to the Specification** are provide on page 2 of this paper.

**Amendments to the Claims** are reflected in the listing of claims which begins on page 4 of this paper.

**Remarks/Arguments** begin on page 13 of this paper.

BST99 1458609-1.056231.0434